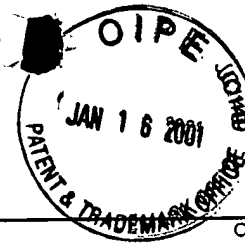


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## UNITED STATES PATENT AND TRADEMARK OFFICE


 COMMISSIONER FOR PATENTS  
 UNITED STATES PATENT AND TRADEMARK OFFICE  
 WASHINGTON, D.C. 20231  
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/686,497	10/11/2000	Richard F Selden	10278-022001

 P Louis Myers  
 Fish & Richardson P C  
 225 Franklin Street  
 Boston, MA 02110-2804

## FORMALITIES LETTER



\*OC000000005621386\*

Date Mailed: 12/14/2000

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

## Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given TWO MONTHS from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 65.

01/22/2001 ETULU1 00000021 09686497

01 FC:205 65.00 00

A copy of this notice **MUST** be returned with the reply.

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 1 - ATTORNEY/APPLICANT COPY

Docketed By Practice Systems	
Action Code:	MISSING PARTS
Base Date:	12-14-00
Due Date:	2-14-01
Deadline:	12-14-01
Initial:	JPM

Docketed By Billing System	
Due Date:	2/14/01
Deadline:	6/14/01



FILE COPY

Attorney's Docket No.: 10278-022001

Receipt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Richard F Selden et al.  
Serial No. : 09/686,497  
Filed : October 11, 2000  
Title : OPTIMIZED MESSENGER RNA

Art Unit : 1653  
Examiner : Unknown

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APR 03 2001

TECH CENTER 1600/2900

Commissioner for Patents  
Washington, D.C. 20231

REQUEST FOR CORRECTED OFFICIAL FILING RECEIPT

Please correct the Filing Receipt for the above-referenced application to include the missing inventor's name and residence address —**Douglas A. Treco, Arlington, MA--**.

Please supply a corrected Filing Receipt to the undersigned with respect to this application. A copy of the original Filing Receipt showing the desired changes in red ink and a copy of the Combined Declaration and Power of Attorney filed with the Response to Notice to File Missing Parts on January 8, 2001, is attached for your convenience.

No fee is believed to be due. If, however, there are any charges or credits, please apply them to Deposit Account No. 06-1050.

Respectfully submitted,

Date:

8 Jan 01

Louis Myers  
Reg. No. 35,965

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

20166870.doc

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit

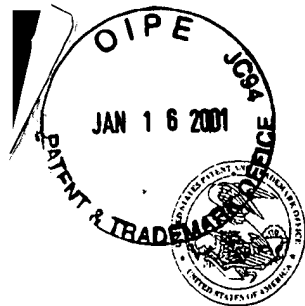
January 8, 2001

Signature

Jeanine Mecherkany

Jeanine Mecherkany

Typed or Printed Name of Person Signing Certificate



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/686,497	10/11/2000	1653	400	10278-022001	40	25	3

## FILING RECEIPT

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Boston, MA 02110-2804

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APR 03 2001

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Date Mailed: 12/14/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Richard F Selden, Wellesley, MA ;  
Allan M. Miller, Boxford, MA ;

*Douglas A. Treco, Arlington, MA*

## Continuing Data as Claimed by Applicant

THIS APPLICATION IS A CIP OF 09/407,605 09/28/1999  
WHICH CLAIMS BENEFIT OF 60/102,239 09/29/1998  
AND CLAIMS BENEFIT OF 60/130,241 04/20/1999

## Foreign Applications

If Required, Foreign Filing License Granted 12/14/2000

\*\* SMALL ENTITY \*\*

## Title

Optimized messenger RNA

## Preliminary Class

435

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DEC 22 2000

FISH & RICHARDSON, P.C.  
BOSTON OFFICE

No Docketing Required

Reviewed by Practice Systems

Initials *KJM* On *12/22/00*

Data entry by : ZIMMERMAN, SHAUNA

Team : OIPE

Date: 12/14/2000



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APR 03 2001

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**LICENSE FOR FOREIGN FILING UNDER**  
**Title 35, United States Code, Section 184**  
**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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APR 03 2001

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The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

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**PLEASE NOTE the following information about the Filing Receipt:**

- The articles such as "a," "an" and "the" are not included as the first words in the title of an application. They are considered to be unnecessary to the understanding of the title.
- The words "new," "improved," "improvements in" or "relating to" are not included as first words in the title of an application because a patent application, by nature, is a new idea or improvement.
- The title may be truncated if it consists of more than 600 characters (letters and spaces combined).
- The docket number allows a maximum of 25 characters.
- If your application was submitted under 37 CFR 1.10, your filing date should be the "date in" found on the Express Mail label. If there is a discrepancy, you should submit a request for a corrected Filing Receipt along with a copy of the Express Mail label showing the "date in."
- The title is recorded in sentence case.

Any corrections that may need to be done to your Filing Receipt should be directed to:

Assistant Commissioner for Patents  
 Office of Initial Patent Examination  
 Customer Service Center  
 Washington, DC 20231





## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Richard F. Selden et al.  
Serial No. : 09/686,497  
Filed : October 11, 2000  
Title : OPTIMIZED MESSENGER RNA

Art Unit : 1653  
Examiner : Unknown

**BOX MISSING PARTS**

Commissioner for Patents  
Washington, D.C. 20231

RESPONSE TO NOTICE TO FILE MISSING PARTS OF APPLICATION

In response to the Notice to File Missing Parts of Application under 37 CFR §1.53(b) mailed December 14, 2000 (copy enclosed), applicant as a small entity submits herewith the following:

- ☒ Check in payment of \$65 surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application;
- ☒ Combined Declaration and Power of Attorney in compliance with 37 CFR §1.63; and
- ☒ Other: Postcard.

It is understood that this perfects the application and no additional papers or filing fees are required. Please apply any other charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 8 Jan 01

Louis Myers  
Louis Myers  
Reg. No. 35,965

Fish & Richardson P.C.  
225 Franklin Street  
Boston, MA 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906

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## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

January 8, 2001  
Date of Deposit

Jeanine Mecherkany  
Signature

Jeanine Mecherkany  
Typed or Printed Name of Person Signing Certificate